i.MX 952 Applications Processor: High-Performance AI Vision Processing

i.MX952

Preproduction

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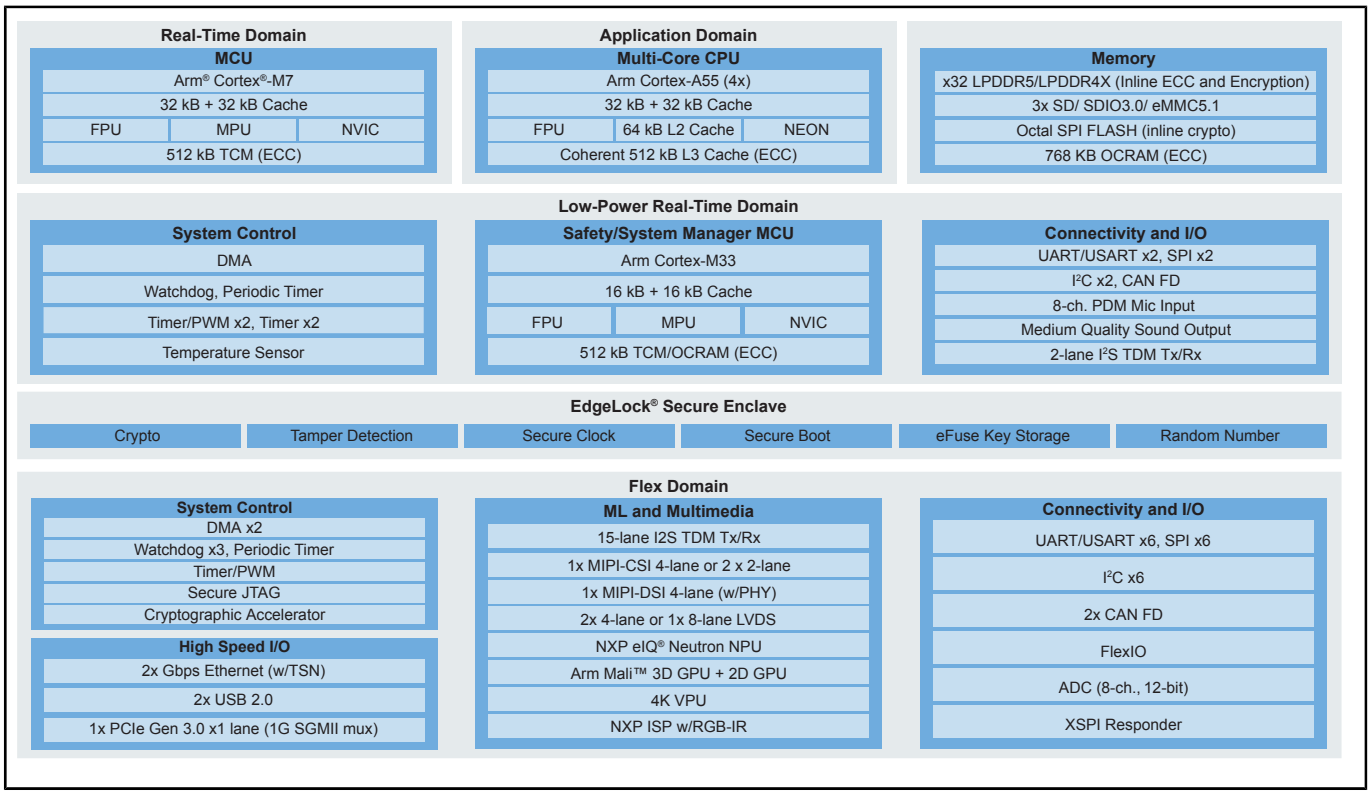
The i.MX 952 applications processor is designed for AI-powered sensor fusion and vision sensing applications, supported by the integrated eIQ® Neutron Neural Processing Unit (NPU). It features advanced graphics and video cores, powerful vision and machine learning (ML) acceleration and efficient CPU performance with real-time processing. Functional Safety is supported both for IEC 61508 and ISO 26262 up to SIL 2/ASIL-B. Part of the EdgeVerse™ portfolio of intelligent edge solutions, it offers advanced security with integrated EdgeLock® secure enclave to support energy-efficient edge computing. It is well-suited for automotive, industrial and commercial IoT applications.

i.MX 952 Applications Processor Block Diagram



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